

Curriculum vitae of Tuomisto, Jouni Tapio

Date and place of birth: May 1, 1967 Helsinki, Finland

Citizenship: Finnish

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Mail address: THL, P.O.Box 95, FI-70701 Kuopio, Finland

Current residence: Niuvantie 10 A, 70200 Kuopio, Finland

Education and degrees awarded and other skills

Title of docent or adjunct professor (toxicology, especially risk assessment) 2004- , University of Eastern Finland, Kuopio (previously University of Kuopio)

Dr. Med. 1999, University of Kuopio (opiskelu@uef.fi)

Lic. Med. 1992, University of Kuopio (opiskelu@uef.fi)

Post-graduate student in toxicology in University of Kuopio, 1993-2000.

Post-doctoral studies at Harvard University 2000-2001.

Extensive experience on computer modelling with R, SQL, Analytica, and Excel.

Some courses on leadership skills, Haaga-Helia, Helsinki, 2011-2012.

Mother tongue: Finnish (laudatur in matriculation examination in 1985 Minna Canthin lukio)

Excellent skills: English (laudatur in matriculation examination in 1985 Minna Canthin lukio)

Moderate skills: Swedish (laudatur in matriculation examination in 1985 Minna Canthin lukio)

Moderate skills: French (laudatur in matriculation examination in 1985 Minna Canthin lukio)

Current position and previous key work experience

Chief researcher, THL 2012 - ,

Team leader in environmental health assessment, Impact Assessment Unit, Department of Health Protection, THL 1.1.2015 - .

Research career phase: Established or independent researcher.

Unit Head of the Assessment and Modelling Unit 2010 - 2014

Senior researcher, THL (previously National Public Health Institute KTL) 1.6.2005 - 2012

Academy researcher, 1.8.2005 – 31.7.2010

Research funding

Coordinator in 1 EU project, principal investigator in 4 EU projects, 4 Academy of Finland projects, and in 5 other projects, researcher in 4 projects.

Merits in teaching and pedagogical competence

Decision analysis and risk management is a 6-credit-point course directed to Master of Science and doctoral students in the University of Eastern Finland. I was the developer of the course together with Mikko Pohjola. I have been the practical leader and one of the main lecturers of the course since 2011. The course has been organised three times, 2011, 2013 and 2015. More information:

<http://en.opasnet.org/w/Darm>

Lecturer on several courses related to toxicology or environmental health in the University of Eastern Finland for many years (5 - 10 lectures per year).

Supervision of doctoral theses and other academic merits

Ph.D. Marko Tainio: Methods and uncertainties in the assessment of the health effects of fine particulate matter (PM_{2.5}) air pollution (UEF, 2009).

Dr.-Ing. Alexandra Gens (née Kuhn): Modelling the Exposure to Fine Particles and its Impacts on Human Health in Europe (Universität Stuttgart, Germany, 2012)

Ph.D. (Tech.Sc.) Mikko Pohjola: Assessments are to change the world - Prerequisites for effective environmental health assessment. (UEF, 2013)

Ph.D. (Tech.Sc.) Olli Leino: Fish consumption: human health effects and decision making (UEF, 2014).

Ph.D. Marjo Niittynen: TCDD-induced accumulation of the heme degradation product biliverdin in rat liver (UEF, 2014)

M.Sc. Virpi Kollanus: Health and other impacts of heating (UEF, expected 2016)

Opponent for Patrycja Gradowska (Delft Technological University, Delft, the Netherlands 8 May 2013)

Evaluator of applications to THL about health promotion, 2012-2015.

Scientific and societal impact of research

99 peer reviewed articles; 21 proceedings, reports or book articles; one article in domestic language; two open web-workspaces for production and dissemination of scientific information to improve decision making; three open source models or software packages; and more than 70 abstracts in scientific meetings.

Developer of *open policy practice*, a knowledge-based methodology for decision support together with Mikko Pohjola. It is a method to organise decision support for (especially municipality-level) societal decision making for better usage of scientific and citizen information in the decision making process. Although developed for municipalities, the method is generic and can be applied with all kinds of decisions. The main principles are objective-orientation, causality, development of common artefacts, falsification, re-usability, and openness [1].

Ten most important publications

1. Tuomisto JT et al. (2015). Opasnet. An English web workspace for providing scientific information to help societal decision-making. <http://en.opasnet.org> (accessed 10 April 2015. Own contribution: 2511 pages edited, contribution score: 2671.)
2. Pohjola MV, Tuomisto JT. Openness in participation, assessment, and policy making upon issues of environment and environmental health: a review of literature and recent project results. *Environ Health*. 2011 Jun 16;10:58. [2]
3. Sandström, Vilma; Tuomisto, Jouni T.; Majaniemi, Sami; Rintala, Teemu; Pohjola, Mikko V.: Evaluating effectiveness of open assessments on alternative biofuel sources. *Sustainability: Science, Practice & Policy* (2013): in press.
4. Mikko V. Pohjola, Pasi Pohjola, Marko Tainio, Jouni T. Tuomisto: Perspectives to Performance of Environment and Health Assessments and Models—From Outputs to Outcomes? (Review). *Int. J. Environ. Res. Public Health* 2013, 10, 2621-2642; doi:10.3390/ijerph10072621
5. Jouni T. Tuomisto, Andrew Wilson, John S. Evans, Marko Tainio. 2008. Uncertainty in mortality response to airborne fine particulate matter: Combining European air pollution experts. *Reliability Engineering and System Safety* 93: 732-744. doi
6. Tuomisto, JT; Tainio, M. 2005. An economic way of reducing health, environmental, and other pressures of urban traffic: a decision analysis on trip aggregation. *BMC PUBLIC HEALTH* 5:123. [3]
7. Tuomisto, JT; Tuomisto, J; Tainio, M; Niittynen, M; Verkasalo, P; Vartiainen, T; Kiviranta, H; Pekkanen, J. 2004. Risk-benefit analysis of eating farmed salmon. *SCIENCE* 305 (5683): 476-476.
8. Tuomisto, JT; Pekkanen, J; Kiviranta, H; Tukiainen, E; Vartiainen, T; Tuomisto, J. 2004. Soft-tissue sarcoma and dioxin: A case-control study. *INT J CANCER* 108 (6): 893-900.
9. Levy, JI; Carrothers, TJ; Tuomisto, JT; Hammitt, JK; Evans, JS. 2001. Assessing the public health benefits of reduced ozone concentrations. *ENVIRONMENTAL HEALTH PERSPECTIVES* 109 (12): 1215-1226.
10. Tuomisto, JT; Viluksela, M; Pohjanvirta, R; Tuomisto, J. 1999. The AH receptor and a novel gene determine acute toxic responses to TCDD: Segregation of the resistant alleles to different rat lines. *TOXICOLOGY AND APPLIED PHARMACOLOGY* 155 (1): 71-81.